Monday, 1/14/2008 2:32:32 PM Use; Kim Johnston **Process Sheet Drawing Name** : DOUBLER : CU-DAR001 Dart Helicopters Services Customer Job Number : 36732 **Estimate Number** : 11465 Part Number : D314091 P.O. Number : 1/14/2008 S.O. No. : Drawing Number : D3140 REV F This Issue : N/A : NC Project Number Prsht Rev. : SMALL /MED FAB : F : 11 Type **Drawing Revision** First Issue : 27377 Material Previous Run : 1/31/2008 Due Date Qty: Each Written By Checked & Approved By New Issue NG 02.04.30 : Est. Comment Est. Rev B New dwg rev. ecn781 06.04.18 EC Now on Waterjet 06-06-08 JLM Est Rev:C Est. rev.d added scuffing NCR 061 EC Est Rev:E As per ECN #829 06-11-20 JLM **Additional Product** Job Number: Machine Or Operation: Description: Seq. #: M2024T3S032 2024-T3 .032 sheet 1.0 Comment: Qty.; 0.1549 sf(s)/Unit Total: 0.9293 sf(s) 2024-T3 .032 sheet Matl: 2024-T3 (QQ-A-250/4) .032" thick (M2024T3S.032) 5.00" x 4.06" flat pattern ref Note grain direction 2.0 WATER JET Comment: FLOW WATER JET 1-Cut as per Dwg D3140 **ENSURE THAT GRAIN DIRECTION IS CORRECT*** Dwg Rev: F B 08-1-18 8-1-18 2-Deburr if necessary QC2 INSPECT PARTS AS THEY COME OFF MACHINE 3.0 8-1-18 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK 40 QC8 Comment: SECOND CHECK

Dart Ae	rospace	Ltd								
W/O:			V	ORK ORDER C	HANGES		•		ge ⁿ	
DATE	STEP	PRO	CEDURE CH	ANGE	7e .	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:	Fault Ca	tegory:	NC	R: Yes	No DQ A	\:	Date:	
A Comment				* *	anna .	QA: N	/C Closed	l:	Date: _	•
NCR:		V	WORK OR	DER NON-CONF	ORMANCE	The second second				
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Action Descr Chief Eng		Sign & Date	Verific Section	ation on C	Approval Chief Eng	Approval QC Inspector
										**

NOTE: Date & initial all entries

Monday, 1/14/2008 2:32:32 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: DOUBLER Customer: CU-DAR001 Dart Helicopters Services Part Number: D314091 Job Number: 36732 Job Number: Description: Seq. #: Machine Or Operation: SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 5.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1-Form as per Dwg D3140 2-Scuff surfaces with 80grit sandpaper per QSI 006 Sp 09/08/207 3-Deburr. No sharp edges INSPECT WORK TO CURRENT STEP 6.0 QC5 Comment: INSPECT WORK TO CURRENT STEP HAND FINISHING RESOURCE #1 HAND FINISHING Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 9.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Aerospace Ltd

W/O:			WORK ORDER	CHANGES					
DATE	STEP	PRO	CEDURE CHANGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
Part No		PAR #:	Fault Category:	NCR: `	es N	o DQ	A:	Date:	
				C	A: N/C	Close	d:	_ Date: _	
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC Corrective Action Section B Verifica						Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector				
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NOTE: Date & initial all entries



DESIG	4	DRAWN BY		AEROSPACE LTD KESBURY, ONTARIO, CANADA	
CHECK	ŒD \	APPROVED ,	DRAWING NO.		REV. F
	Melk		D3140	SHEET	1 OF 7
DATE			TITLE		SCALE
06.1	0.06		DOOR		NTS
Α		02.04.18	NEW ISSUE		

RELEASED 06.11.13

ı	שותט		_ ··· _ · ·
	06.1	0.06	DOOR NTS
	Α	02.04.18	NEW ISSUE
	В	03.01.23	REMOVE -65/-81/-83; ADD -301/-303
	C	04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106°
	D	05.11.23	ADD -103/-104/-105/-106; REMOVE -67
	E	06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10
	F	06.10.06	ADD NOTE 14; CORRECT PART TITLE, NOW D3140-09/-92/-104 SHOWN D3140-10/-91/-103 OPPOSITE

QTY -05	QTY -06	QTY -07	QTY -08	QTY -09	QTY -10	PART NUMBER	DESCRIPTION	
X				 		D3140-05	DOOR	
	X					D3140-06	DOOR	
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	 	1	X		····	D3140-08	DOOR	
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3	3					D3140-57	PAD	
1	1					D3140-59	PAD	
2	2					D3140-61	PAD	
2	2					D3140-63	PAD	
		1	1			D3140-69	PAD	
		1	1			D3140-71	PAD	
		1	1			D3140-73	PAD	
		1	1			D3140-75	PAD	1
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		1	1			D3140-79	PAD	4OP COPY
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		2	2			D3140-101	DOUBLER	
		1				D3140-103	DOUBLER	
			1			D3140-104	DOUBLER	<u>/</u> \
		1				D3140-105	DOUBLER	/D\
			1			D3140-106	DOUBLER	
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1		1				D3140-301	DOUBLER	
	1		1			D3140-303	DOUBLER	
				5	5	MS20426AD3-4	RIVET	

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DESIGN #	$C_{\mathcal{B}}$	DAF	RT AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED ,	DRAWING NO.		REV. F
Mek	of	D3140	SHEET	2 OF 7
DATE		TITLE		SCALE
06.10.06		DOOR		NTS



COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77 MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006 MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS. FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM

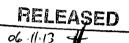


FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:

PART D3140-05	TOOL B30-23000-01T
D3140-06	B30-23000-02T
D3140-07	B30-23000-03T
D3140-08	B30-23000-04T
D3140-57	B30-23000-57T
D3140-61	B30-23000-61T
D3140-63	B30-23000-63T
D3140-69	B30-23000-69T
D3140-71	B30-23000-71T
D3140-73	B30-23000-73T
D3140-75	B30-23000-75T
D3140-77	B30-23000-77T
D3140-79	B30-23000-79T
D3140-89	D3140-89T1
D3140-301	D3140-301T1
D3140-303	D3140-303T1

ALL DIMENSIONS IN INCHES





MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL



TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED





MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION



RUBBER STAMP WITH DART P/N D3140-05/-06/-07/-08 USING MIL-STD-130



PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



SHOP COPY

RETURN TO ENGINEERING

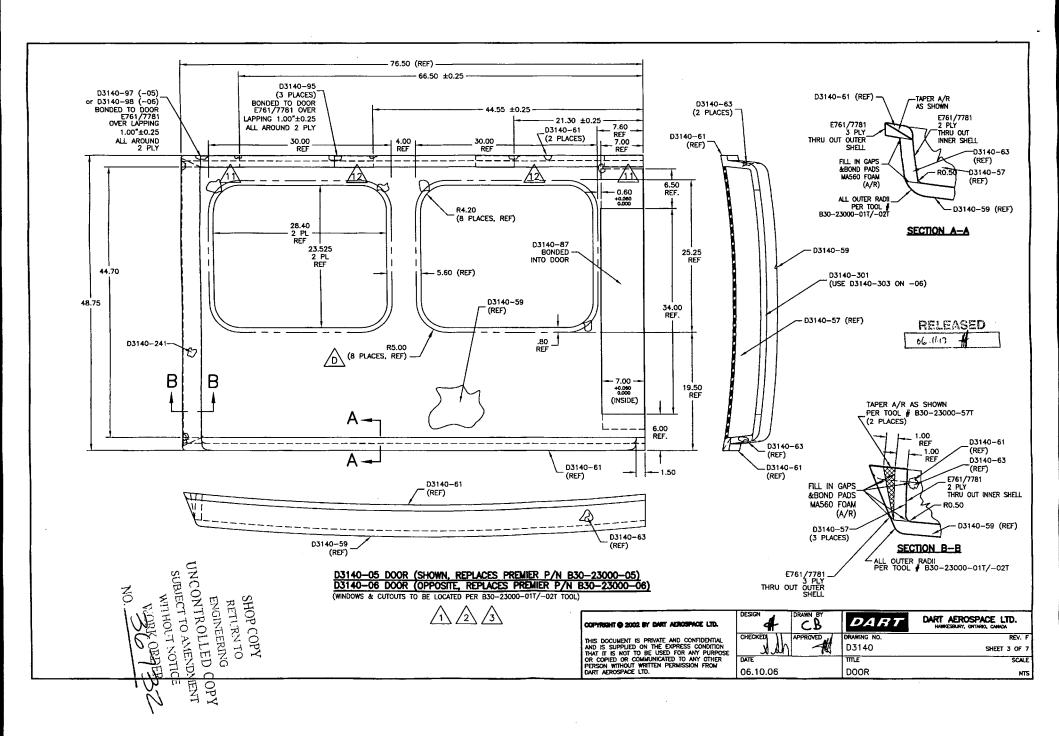
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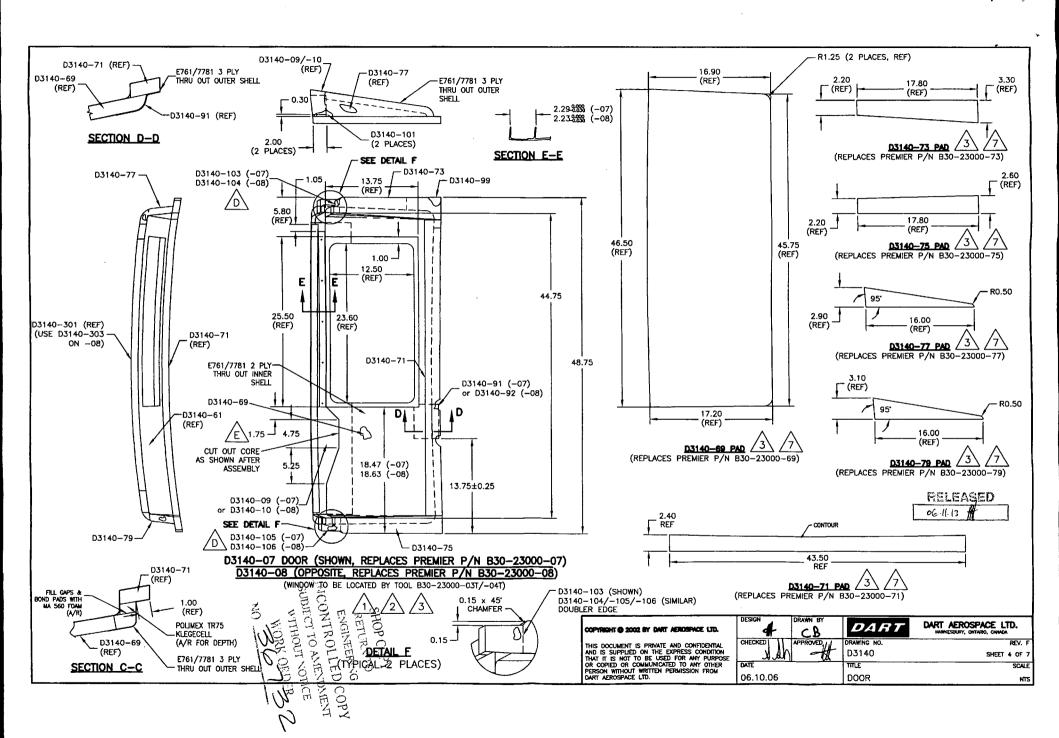
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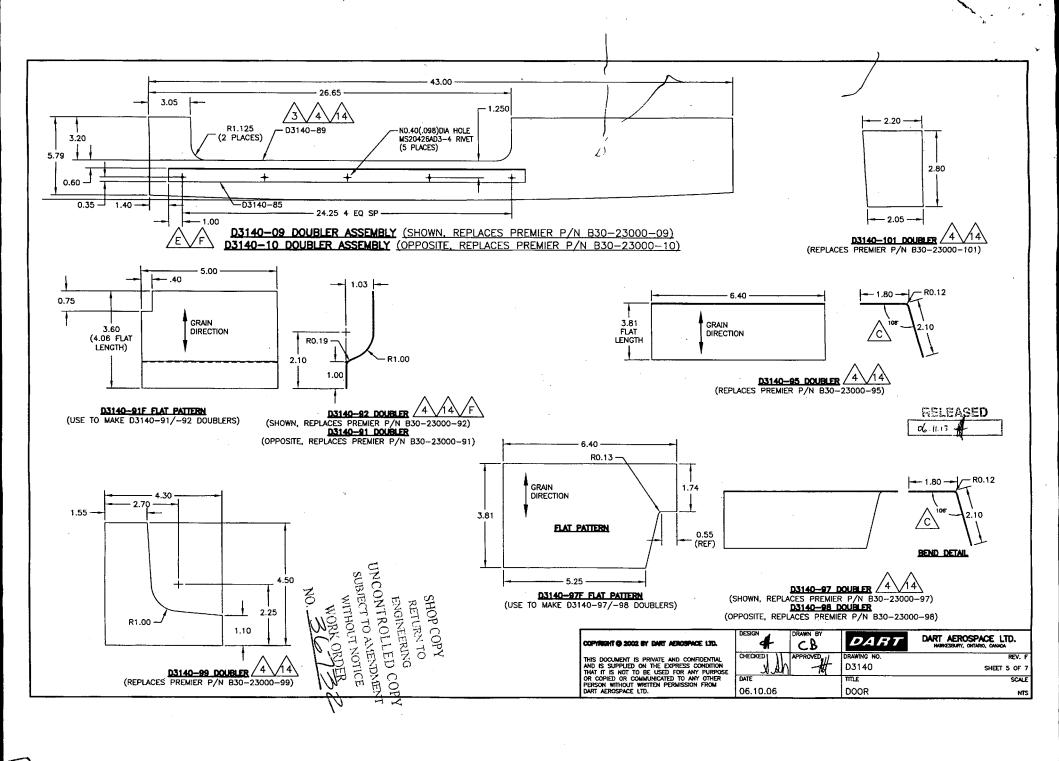
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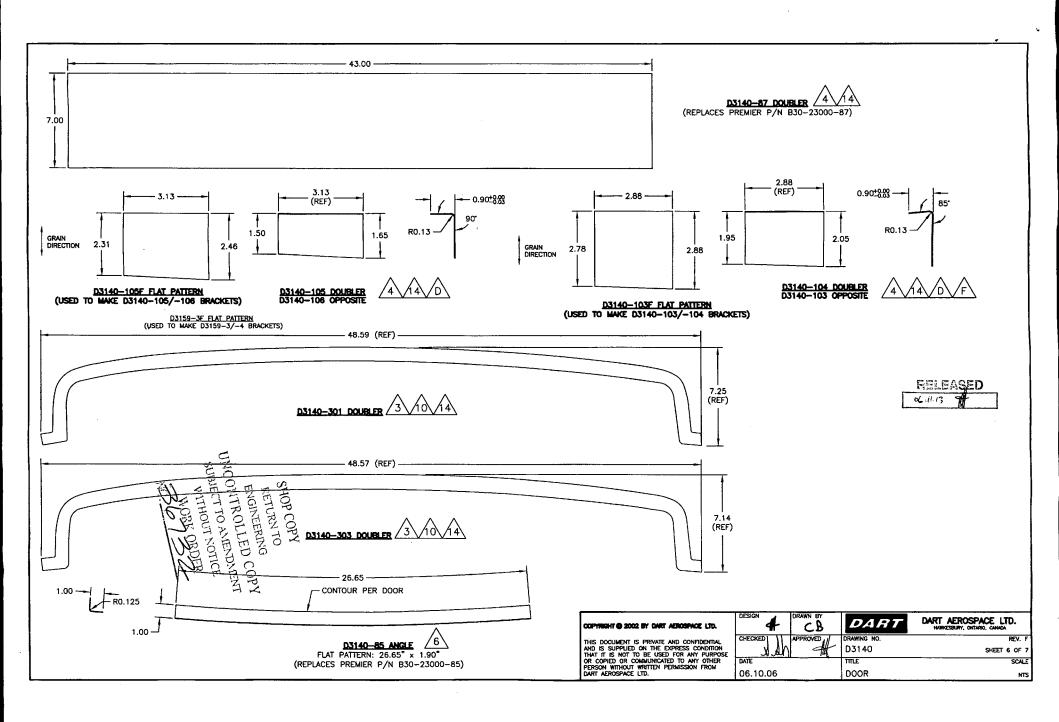
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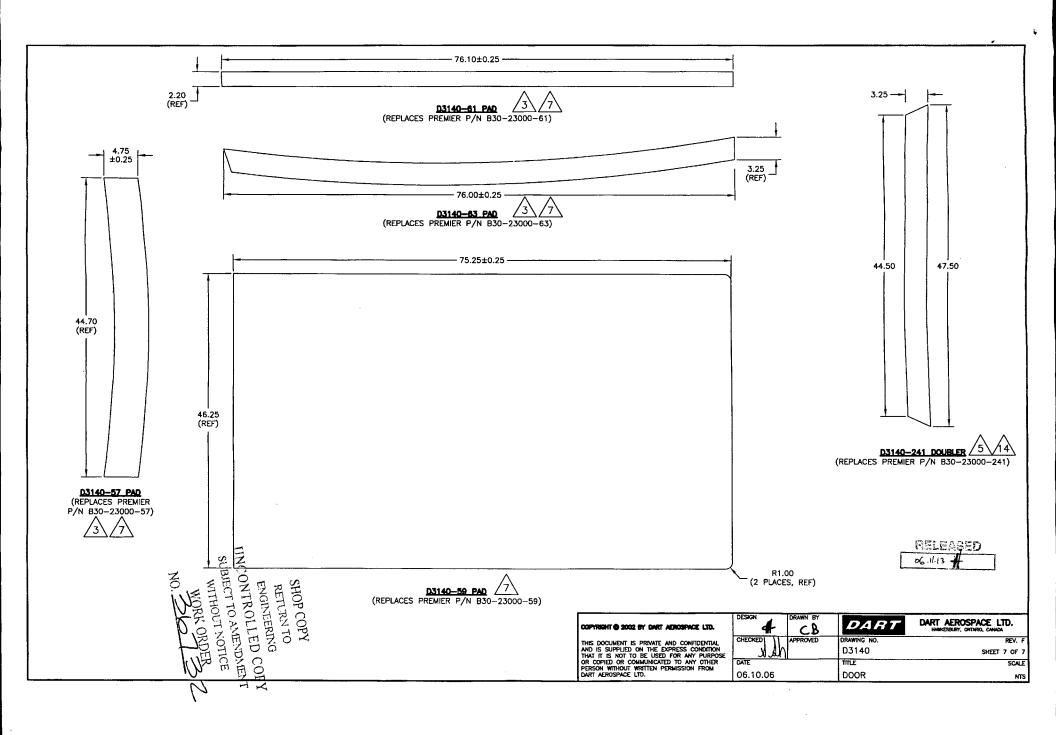
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DART AEROSPACE LTD	Work Order:	36732
Description: DoubleR	Part Number:	190-0480
Inspection Dwg: D3140 Rev: F		Page 1 of 1

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2010	New	r Issue					Revi:	sed by Approved

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